

1 Met Glu Leu Asn His Phe Glu Leu Leu Tyr Lys Thr Ser Lys Gln Lys Pro Val Gly 19
 20 Val Glu Glu Pro Val Tyr Asp Thr Ala Gly Arg Pro Leu Phe Gly Asn Pro Ser Glu Val
 40 His Pro Gln Ser Thr Leu Lys Leu Pro His Asp Arg Gly Arg Gly Asp Ile Arg Thr Thr
 60 Leu Arg Asp Leu Pro Arg Lys Gly Asp Cys Arg Ser Gly Asn His Leu Gly Pro Val Ser
 80 Gly Ile Tyr Ile Lys Pro Gly Pro Val Tyr Tyr Gln Asp Tyr Thr Gly Pro Val Tyr His
 100 Arg Ala Pro Leu Glu Phe Phe Asp Glu Ala Gln Phe Cys Glu Val Thr Lys Arg Ile Gly
 120 Arg Val Thr Gly Ser Asp Gly Lys Leu Tyr His Ile Tyr Val Cys Val Asp Gly Cys Ile
 140 Leu Leu Lys Leu Ala Lys Arg Gly Thr Pro Arg Thr Leu Lys Trp Ile Arg Asn Phe Thr
 160 Asn Cys Pro Leu Trp Val Thr Ser Cys Ser Asp Asp Gly Ala Ser Gly Ser Lys Asp Lys
 180 Lys Pro Asp Arg Met Asn Lys Gly Lys Leu Lys Ile Ala Pro Arg Glu His Glu Lys Asp
 200 Ser Lys Thr Lys Pro Pro Asp Ala Thr Ile Val Val Glu Gly Val Lys Tyr Gln Ile Lys
 220 Lys Lys Gly Lys Val Lys Gly Lys Asn Thr Gln Asp Gly Leu Tyr His Asn Lys Asn Lys
 240 Pro Pro Glu Ser Arg Lys Lys Leu Glu Lys Ala Leu Leu Ala Trp Ala Val Ile Thr Ile
 260 Leu Leu Tyr Gln Pro Val Ala Ala Glu Asn Ile Thr Gln Trp Asn Leu Ser Asp Asn Gly
 280 Thr Asn Gly Ile Gln Arg Ala Met Tyr Leu Arg Gly Val Asn Arg Ser Leu His Gly Ile
 300 Trp Pro Glu Lys Ile Cys Lys Gly Val Pro Thr His Leu Ala Thr Asp Thr Glu Leu Lys
 320 Glu Ile Arg Gly Met Met Asp Ala Ser Glu Arg Thr Asn Tyr Thr Cys Cys Arg Leu Gln
 340 Arg His Glu Trp Asn Lys His Gly Trp Cys Asn Trp Tyr Asn Ile Asp Pro Trp Ile Gln
 360 Leu Met Asn Arg Thr Gln Thr Asn Leu Thr Glu Gly Pro Pro Asp Lys Glu Cys Ala Val
 380 Thr Cys Arg Tyr Asp Lys Asn Thr Asp Val Asn Val Val Thr Gln Ala Arg Asn Arg Pro
 400 Thr Thr Leu Thr Gly Cys Lys Lys Gly Lys Asn Phe Ser Phe Ala Gly Thr Val Ile Glu
 420 Gly Pro Cys Asn Phe Asn Val Ser Val Glu Asp Ile Leu Tyr Gly Asp His Glu Cys Gly
 440 Ser Leu Leu Gln Asp Thr Ala Leu Tyr Leu Leu Asp Gly Met Thr Asn Thr Ile Glu Asn
 460 Ala Arg Gln Gly Ala Ala Arg Val Thr Ser Trp Leu Gly Arg Gln Leu Ser Thr Ala Gly
 480 Lys Lys Leu Glu Arg Arg Ser Lys Thr Trp Phe Gly Ala Tyr Ala Leu 495

FIG.1

- 68 [V(pA/CSFV)]
- 121 [V(pA/CSFV)]
- ▲— 78 [V(pA/CSFV)]
- ×— 70 [V(pA/C-346-d)]
- 72 [V(pA/C-346-d)]
- ◆— 74 [V(pA/C-346-d)]

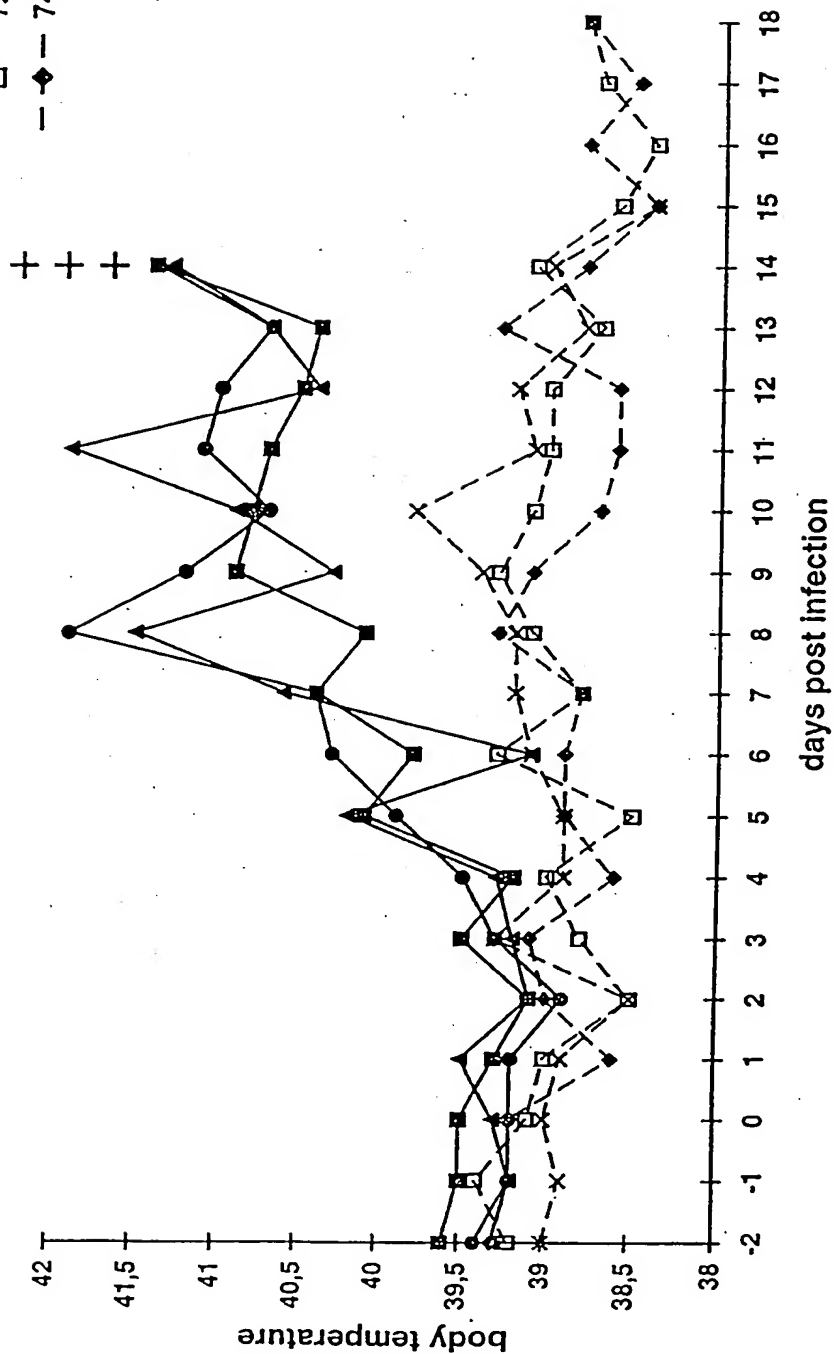


Fig. 2

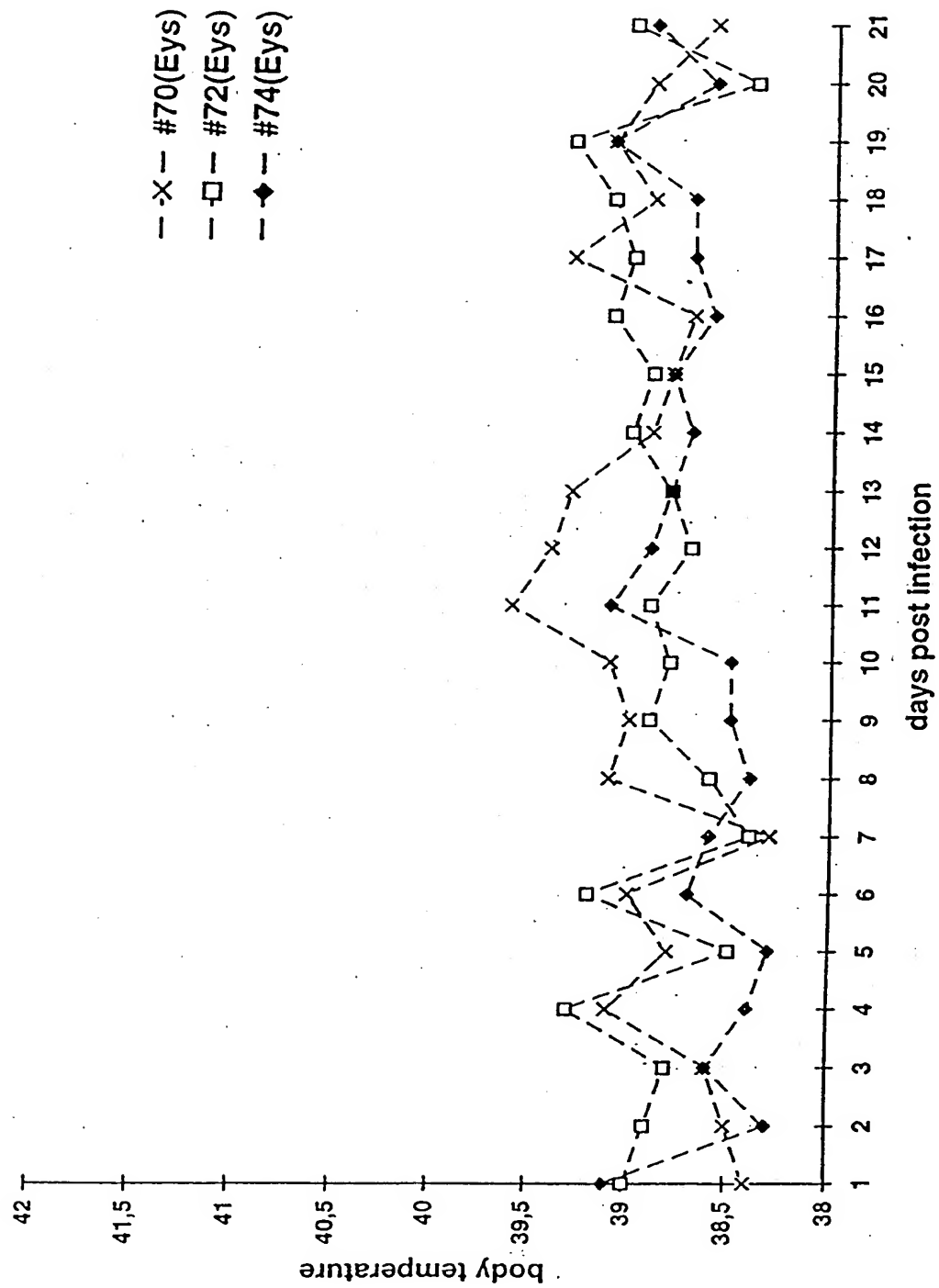
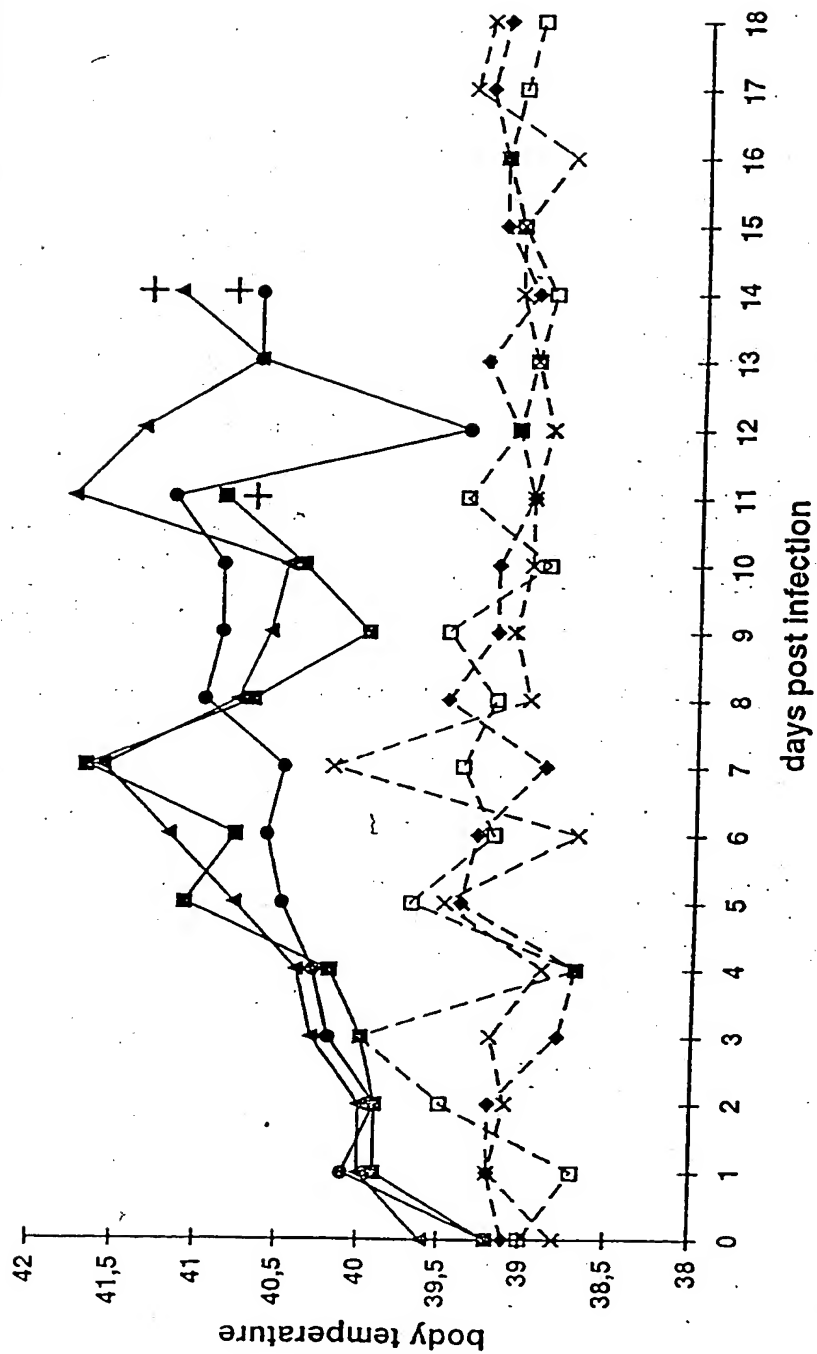


Fig. 3



- 27 [V(pA/C-346-d/Rs)]
- 30 [V(pA/C-346-d/Rs)]
- ▲— 28 [V(pA/C-346-d/Rs)]
- ×— 43 [V(pA/C-346-d)]
- 47 [V(pA/C-346-d)]
- ◆— 87 [V(pA/C-346-d)]

Fig. 4

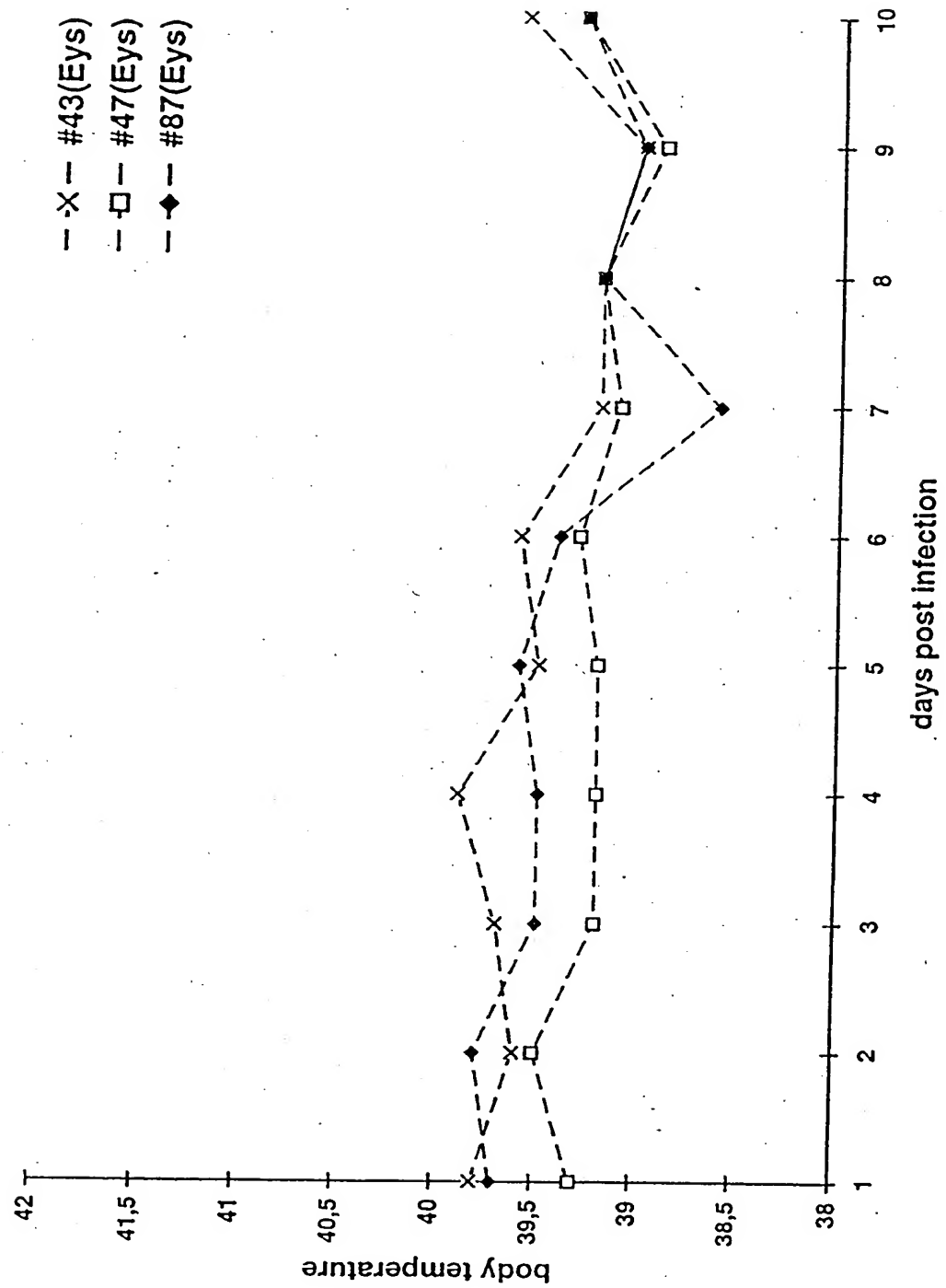


Fig. 5

infection with CSFV C-297-L/346-L

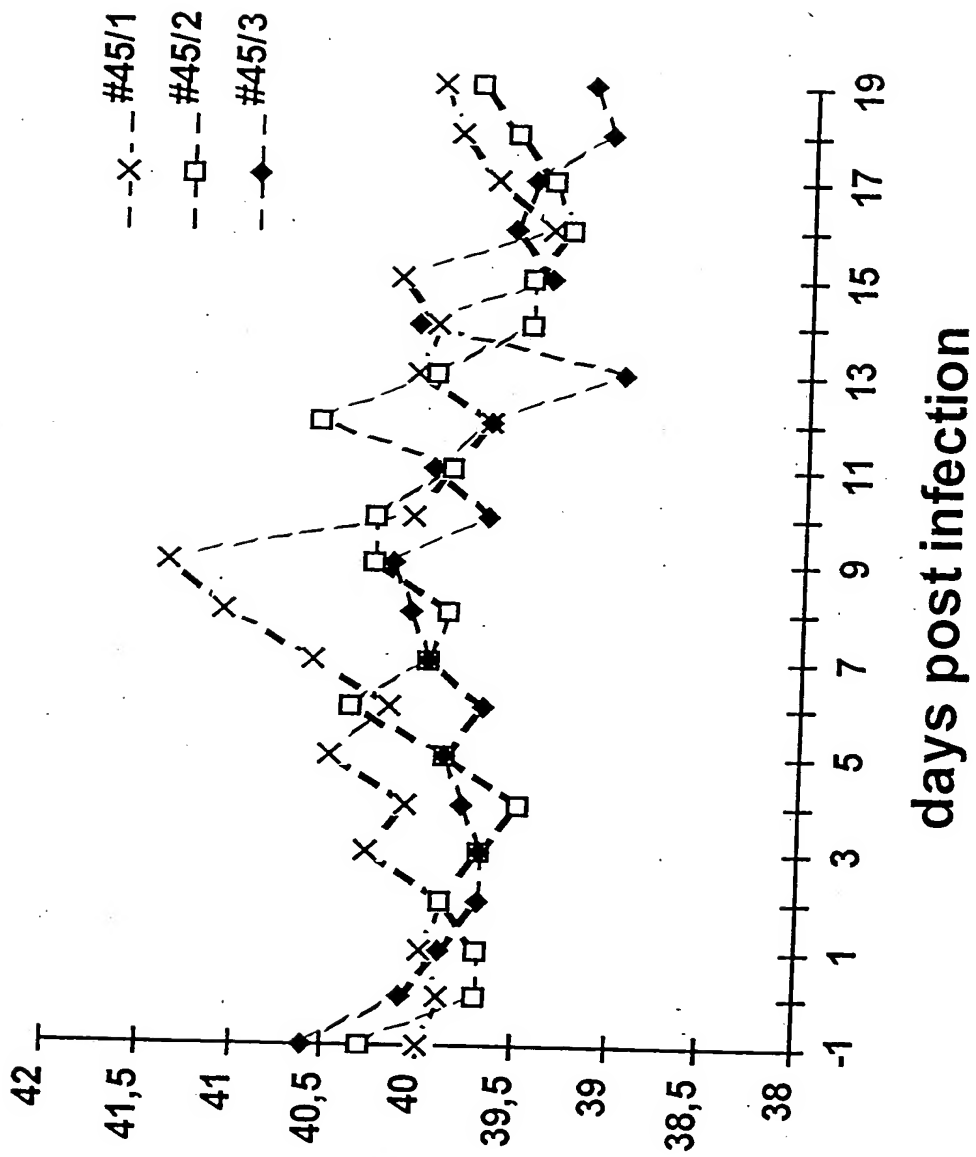


Fig. 6

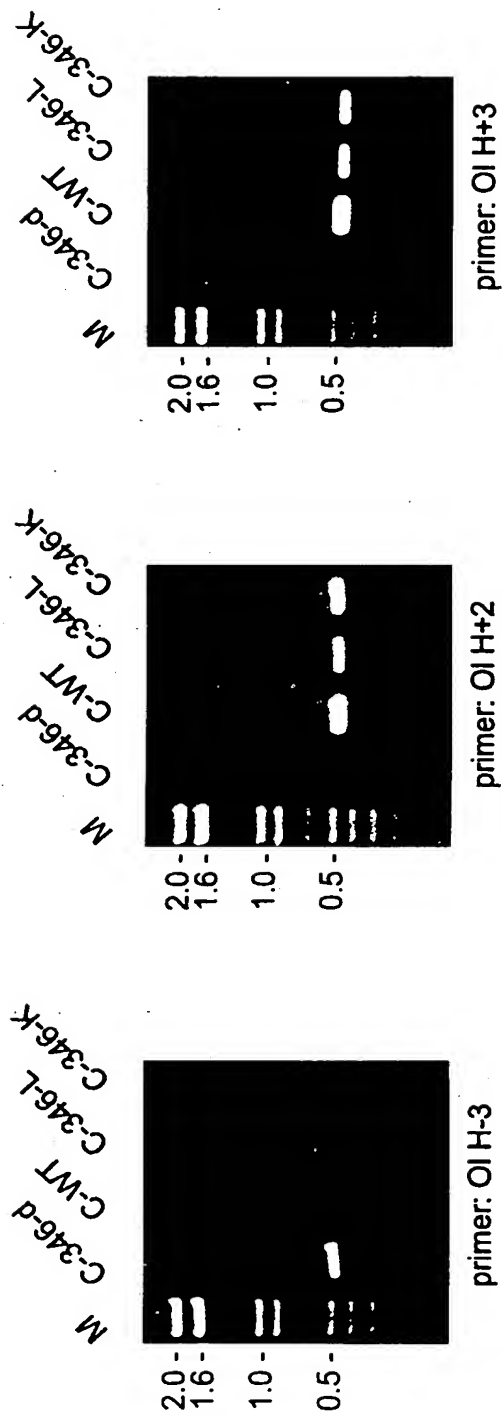


FIG. 7A

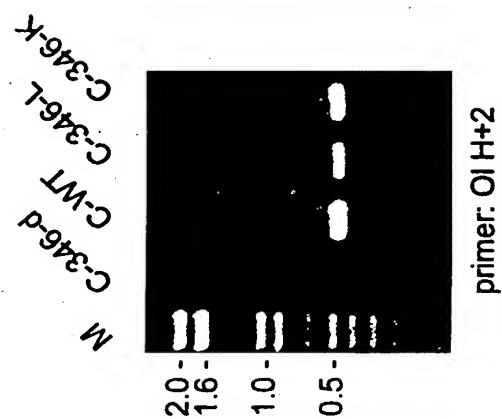


FIG. 7B

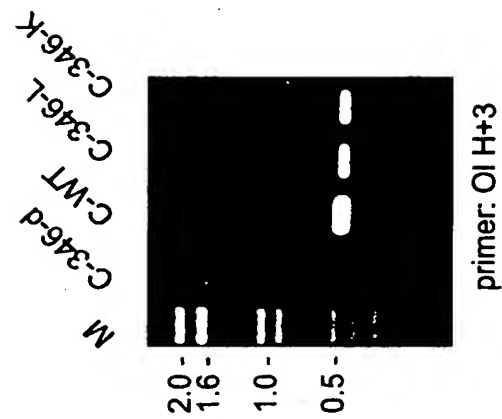


FIG. 7C